

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspta1653hxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/CAplus records now contain indexing from 1907 to the present  
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded  
NEWS 5 SEP 29 DISSABS now available on STN  
NEWS 6 OCT 10 PCTFULL: Two new display fields added  
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
NEWS 9 NOV 24 MSDS-CCOHS file reloaded  
NEWS 10 DEC 08 CABA reloaded with left truncation  
NEWS 11 DEC 08 IMS file names changed  
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY  
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAplus  
NEWS 14 DEC 17 DGENE: Two new display fields added  
NEWS 15 DEC 18 BIOTECHNO no longer updated  
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available  
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases  
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
  
NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 14:35:07 ON 21 JAN 2004

=> file medline, uspatful, dgene, wpids, fsta, biosis, jicst,biobusiness  
COST IN U.S. DOLLARS SINCE FILE TOTAL

FILE 'MEDLINE' ENTERED AT 14:36:52 ON 21 JAN 2004

FILE 'USPATFULL' ENTERED AT 14:36:52 ON 21 JAN 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DGENE' ENTERED AT 14:36:52 ON 21 JAN 2004  
COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'WPIDS' ENTERED AT 14:36:52 ON 21 JAN 2004  
COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'FSTA' ENTERED AT 14:36:52 ON 21 JAN 2004  
COPYRIGHT (C) 2004 International Food Information Service

FILE 'BIOSIS' ENTERED AT 14:36:52 ON 21 JAN 2004  
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'JICST-EPLUS' ENTERED AT 14:36:52 ON 21 JAN 2004  
COPYRIGHT (C) 2004 Japan Science and Technology Agency (JST)

FILE 'BIOBUSINESS' ENTERED AT 14:36:52 ON 21 JAN 2004  
COPYRIGHT (C) 2004 Biological Abstracts, Inc. (BIOSIS)

=> s restenosis reduction  
1.1 55 RESTENOSIS REDUCTION

=> s 11 and biocompatible sustained release  
I.2 0 L1 AND BIOCOMPATIBLE SUSTAINED RELEASE

=> s biocompatible or non-biodegradable sustained release form  
L3 59265 BIOCOMPATIBLE OR NON-Biodegradable SUSTAINED RELEASE FORM

=> s 13 and l1  
L4 5 L3 AND L1

=> d 14 ti abs ibib tot

L4 ANSWER 1 OF 5 USPATFULL on STN

TI Potent coatings for stents

AB A stent having an expandable stent body with a generally tubular shape comprises a series of support surfaces upon which a polymer stent coating has been applied. One or more bioactive agents are disposed within the coating. The coating is applied by evaporating solvent from a solution which has been applied to the stent surfaces from a pressurized reservoir or positive displacement pumping means attached to a delivery tube. The delivery tube's longitudinal or X-Y-Z position along the body of the stent, the rotation of the stent along its longitudinal axis, and the delivery rate are coordinated by a programmable controller to deposit precise and repeatable amounts of polymer and agent on the stent surfaces. Preferably, an anti-restenosis agent consisting of a potent analogue or derivative of tranilast are disposed in a bioerodabile stent coating, comprising poly(lactic acid), or, alternatively, in a biodurable stent coating comprising EVA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:128092 USPATFULL

TITLE: Potent coatings for stents

INVENTOR(S): Shulze, John E., Rancho Santa Margarita, CA, UNITED

UNITED STATES

UNITED STATES  
Betts, Ronald E., La Jolla, CA, UNITED STATES

Beebe, Ronald E.; La Jolla, CA, UNITED STATES  
Savage, Douglas B.; Del Mar, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003088307	A1	20030508
APPLICATION INFO.:	US 2002-150909	A1	20020516 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-337970P	20011105 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	J.C. Patents, Suite 250, 4 Venture, Irvine, CA, 92618	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	15 Drawing Page(s)	
LINE COUNT:	1120	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN  
 TI Method for delivering a therapeutic substance to a body lumen  
 AB A method for delivering a therapeutic substance to a body lumen utilizing an intravascular stent having a coating comprising a polymer and a therapeutic substance in a solid/solid solution with the polymer. The coating comprises a first coating layer nearer the stent body having a first concentration of therapeutic substance overlaid by a second porous coating layer having a second lesser concentration of therapeutic substance. The inclusion of a porous polymer coating layer on the stent helps retain the therapeutic substance on the stent during expansion of the stent and also controls the administration of the therapeutic substance following implantation. By this method, drugs such as dexamethasone can be applied to a stent, retained on a stent during expansion of the stent and elute at a controlled rate.

ACCESSION NUMBER: 1998:127661 USPATFULL  
 TITLE: Method for delivering a therapeutic substance to a body lumen  
 INVENTOR(S): Tuch, Ronald J., Plymouth, MN, United States  
 PATENT ASSIGNEE(S): Medtronic, Inc., Minneapolis, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5824048		19981020
APPLICATION INFO.:	US 1996-731106		19961009 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-482246, filed on 7 Jun 1995, now patented, Pat. No. US 5679400 which is a continuation-in-part of Ser. No. US 1993-52878, filed on 4 Apr 1993, now patented, Pat. No. US 5464650		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Prebilic, Paul B.		
LEGAL REPRESENTATIVE:	Latham, Daniel W., Patton, Harold R.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	621		

L4 ANSWER 3 OF 5 USPATFULL on STN  
 TI Intravascular stent and method  
 AB A device for delivery of a therapeutic substance into a body lumen including a polymer in intimate contact with a drug on a stent allows the drug to be retained on the stent during expansion of the stent and also controls the administration of drug following implantation. The adhesion of the coating and the rate at which the drug is delivered can

be controlled by the selection of an appropriate bioabsorbable or biostable polymer and the ratio of drug to polymer.

ACCESSION NUMBER: 1998:78456 USPATFULL  
TITLE: Intravasoular stent and method  
INVENTOR(S): Tuch, Ronald J., Plymouth, MN, United States  
PATENT ASSIGNEE(S): Medtronic, Inc., Minneapolis, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5776184		19980707
APPLICATION INFO.:	US 1996-728541		19961009 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-482346, filed on 7 Jun 1995, now patented, Pat. No. US 5679400 which is a continuation-in-part of Ser. No. US 1993-52878, filed on 26 Apr 1993, now patented, Pat. No. US 5464650		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Milano, Michael J.		
ASSISTANT EXAMINER:	Nguyen, Tram Anh T.		
LEGAL REPRESENTATIVE:	Latham, Daniel W., Patton, Harold R.		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	614		

L4 ANSWER 4 OF 5 USPATFULL on STN

TI Intravascular stent and method

AB A method for making an intravascular stent by applying to the body of a stent a solution which includes a solvent, a polymer dissolved in the solvent and a therapeutic substance dispersed in the solvent and then evaporating the solvent. The inclusion of a polymer in intimate contact with a drug on the stent allows the drug to be retained on the stent during expansion of the stent and also controls the administration of drug following implantation. The adhesion of the coating and the rate at which the drug is delivered can be controlled by the selection of an appropriate bioabsorbable or biostable polymer and the ratio of drug to polymer in the solution. By this method, drugs such as dexamethasone can be applied to a stent, retained on a stent during expansion of the stent and elute at a controlled rate.

ACCESSION NUMBER: 97:96606 USPATFULL  
TITLE: Intravascular stent and method  
INVENTOR(S): Tuch, Ronald J., Plymouth, MN, United States  
PATENT ASSIGNEE(S): Medtronic, Inc., Minneapolis, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5679400		19971021
APPLICATION INFO.:	US 1995-482346		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-52878, filed on 26 Apr 1993, now patented, Pat. No. US 5464650		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dudash, Diana		
LEGAL REPRESENTATIVE:	Latham, Daniel W., Patton, Harold R.		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	640		

L4 ANSWER 5 OF 5 USPATFULL on STN

TI Intravascular stent and method  
AB A method for making an intravascular stent by applying to the body of a stent a therapeutic substance and then overcoating the therapeutic substance with a porous polymer. The inclusion of a porous polymer in intimate contact with a drug on the stent allows the drug to be retained on the stent during expansion of the stent and also controls the administration of drug following implantation. The adhesion of the coating and the rate at which the drug is delivered can be controlled by the selection of an appropriate bioabsorbable or biostable polymer.

ACCESSION NUMBER: 97:35680 USPATFULL  
TITLE: Intravascular stent and method  
INVENTOR(S): Tuch, Ronald J., Plymouth, MN, United States  
PATENT ASSIGNEE(S): Medtronic, Inc., Minneapolis, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5624411		19970429
APPLICATION INFO.:	US 1995-483005		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-52878, filed on 26 Apr 1993, now patented, Pat. No. US 5464650		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Green, Randall L.		
ASSISTANT EXAMINER:	Van Over, Perry E.		
LEGAL REPRESENTATIVE:	Latham, Daniel W., Patton, Harold R.		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	724		

=> d his

(FILE 'HOME' ENTERED AT 14:35:07 ON 21 JAN 2004)

FILE 'MEDLINE, USPATFULL, DGENE, WPIDS, FSTA, BIOSIS, JICST-EPLUS, BIOBUSINESS' ENTERED AT 14:36:52 ON 21 JAN 2004

L1 55 S RESTENOSIS REDUCTION  
L2 0 S L1 AND BIOCOMPATIBLE SUSTAINED RELEASE  
L3 59265 S BIOCOMPATIBLE OR NON-BIODEGRADABLE SUSTAINED RELEASE FORM  
L4 5 S L3 AND L1

=> s 11 and vascular surgical procedure  
L5 0 L1 AND VASCULAR SURGICAL PROCEDURE

=> s polymer () matrix  
L6 23975 POLYMER (W) MATRIX

=> s restenosis () reduction  
L7 55 RESTENOSIS (W) REDUCTION

=> s 17 and 16  
L8 1 L7 AND L6

=> d 18 ti abs ibib tot

L8 ANSWER 1 OF 1 USPATFULL on STN  
TI Potent coatings for stents  
AB A stent having an expandable stent body with a generally tubular shape comprises a series of support surfaces upon which a polymer stent coating has been applied. One or more bioactive agents are disposed within the coating. The coating is applied by evaporating solvent from a

solution which has been applied to the stent surfaces from a pressurized reservoir or positive displacement pumping means attached to a delivery tube. The delivery tube's longitudinal or X-Y-Z position along the body of the stent, the rotation of the stent along its longitudinal axis, and the delivery rate are coordinated by a programmable controller to deposit precise and repeatable amounts of polymer and agent on the stent surfaces. Preferably, an anti-restenosis agent consisting of a potent analogue or derivative of tranilast are disposed in a bioerodable stent coating, comprising poly(lactic acid), or, alternatively, in a biodurable stent coating comprising EVA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:128092 USPATFULL

TITLE: Potent coatings for stents

INVENTOR(S): Shulze, John E., Rancho Santa Margarita, CA, UNITED STATES

Betts, Ronald E., La Jolla, CA, UNITED STATES

Savage, Douglas R., Del Mar, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003088307	A1	20030508
APPLICATION INFO.:	US 2002-150909	A1	20020516 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-337970P	20011105 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	J.C. Patents, Suite 250, 4 Venture, Irvine, CA, 92618	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	15 Drawing Page(s)	
LINE COUNT:	1120	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:35:07 ON 21 JAN 2004)

FILE 'MEDLINE, USPATFULL, DGENE, WPIDS, FSTA, BIOSIS, JICST-EPLUS, BIOBUSINESS' ENTERED AT 14:36:52 ON 21 JAN 2004

L1 55 S RESTENOSIS REDUCTION  
L2 0 S L1 AND BIOCOMPATIBLE SUSTAINED RELEASE  
L3 59265 S BIOCOMPATIBLE OR NON-BIODEGRADABLE SUSTAINED RELEASE FORM  
L4 5 S L3 AND L1  
L5 0 S L1 AND VASCULAR SURGICAL PROCEDURE  
L6 23975 S POLYMER () MATRIX  
L7 55 S RESTENOSIS () REDUCTION  
L8 1 S L7 AND L6

=> s taxol and 17

L9 1 TAXOL AND L7

=> d 19 ti abs ibib tot

L9 ANSWER 1 OF 1 USPATFULL on STN

TI Potent coatings for stents

AB A stent having an expandable stent body with a generally tubular shape comprises a series of support surfaces upon which a polymer stent coating has been applied. One or more bioactive agents are disposed within the coating. The coating is applied by evaporating solvent from a solution which has been applied to the stent surfaces from a pressurized

reservoir or positive displacement pumping means attached to a delivery tube. The delivery tube's longitudinal or X-Y-Z position along the body of the stent, the rotation of the stent along its longitudinal axis, and the delivery rate are coordinated by a programmable controller to deposit precise and repeatable amounts of polymer and agent on the stent surfaces. Preferably, an anti-restenosis agent consisting of a potent analogue or derivative of tranilast are disposed in a bioerodabile stent coating, comprising poly(lactic acid), or, alternatively, in a biodurable stent coating comprising EVA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:128092 USPATFULL  
TITLE: Potent coatings for stents  
INVENTOR(S): Shulze, John E., Rancho Santa Margarita, CA, UNITED STATES  
Betts, Ronald E., La Jolla, CA, UNITED STATES  
Savage, Douglas R., Del Mar, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003088307	A1	20030508
APPLICATION INFO.:	US 2002-150909	A1	20020516 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-337970P	20011105 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	J.C. Patents, Suite 250, 4 Venture, Irvine, CA, 92618	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	15 Drawing Page(s)	
LINE COUNT:	1120	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.



<u>L10</u>	5462966.pn.	1	<u>L10</u>
<u>L9</u>	5422362.pn.	1	<u>L9</u>
<u>L8</u>	5416205.pn.	1	<u>L8</u>
<u>L7</u>	5411967.pn.	1	<u>L7</u>
<u>L6</u>	5387680.pn.	1	<u>L6</u>
<u>L5</u>	5362718.pn.	1	<u>L5</u>
<u>L4</u>	53025841.pn.	0	<u>L4</u>
<u>L3</u>	5290271.pn.	1	<u>L3</u>
<u>L2</u>	5252235.pn.	1	<u>L2</u>
<u>L1</u>	5175235.pn.	1	<u>L1</u>

END OF SEARCH HISTORY